nationalgrid

Amy G. Rabinowitz
Assistant General Counsel

June 8, 2006

Mary L. Cottrell, Secretary
Department of Telecommunications and Energy
One South Station
Boston, MA 02110

Re: D.T.E. 06-22

Dear Secretary Cottrell:

I am enclosing the responses of Massachusetts Electric Company and Nantucket Electric Company d/b/a National Grid to the Department's Second Set of Information Requests.

Thank you very much for your time and attention to this matter.

Very truly yours,

Amy G. Rabinowitz

cc: Colleen McConnell, Office of the Attorney General

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Information Request DTE 2-1

Request:

With reference to the attached (electronic copy only) EXCEL file (NGRID sumry w 2005 data.xls), worksheet labeled "data" please respond to questions reflected in columns N, P, R, T, V, X, Z, AB and AD, and return an updated electronic EXCEL spreadsheet with responses in columns O, Q, S, U, W, Y, AA, AC, and AE.

Response:

Please refer to the accompanying Excel file named "NGRID sumry w 2005 data.xls."

Prepared by or under the supervision of: Cheryl A. Warren

Information Request DTE 2-2

Request:

With reference to the attached (electronic copy only) EXCEL file (NGRID sumry w 2005 data.xls), worksheet labeled "calc compare" please identify why using the circuit total values do not result in the SAIDI or SAIFI values reflected in the Company's annual SQ filings.

Response:

The sum of the individual circuit values does not equal the total values that underlie the Company's system SAIDI and SAIFI values reflected in the annual Service Quality (SQ) filings. The values provided in the annual SQ filings are correct. The values submitted in the accompanying Excel file reflect information for circuits that were in service on the Company's system at the time the Company's responses were submitted.

Distribution systems are very dynamic, and when load is growing at a fast pace the system is even more dynamic. The Company has experienced significant load growth over the past several years and as a consequence the Company's feeders change frequently. In some cases, new feeders are added to handle the load. In other cases, feeders are reconfigured by moving some customers onto other feeders. And in still other cases, feeders are retired, especially the lower voltage ones. The Interruption and Disturbance System (IDS) has been developed to retain the current circuit configuration. That means that each month, circuit configuration changes are mapped from their previous configuration to the new configuration, so that the system reflects the current configuration and all previous interruption information is reflected by the current configuration. For example, if a feeder is reconfigured to move customers to a new feeder, then IDS will only show the outage history for those customers on the new feeder. Keeping records in this manner allows the Company to assess problems where the problems exist regardless of configuration changes. However, when responding to the Department's requests for historical data with historical configurations, the Company is not able to provide the level of detail based on the configuration that existed at that time. To keep records of that nature would require massive digital storage and complex programs to track configuration at any time. The Company does not perceive a benefit to capturing such information since it keeps the current configuration and associated performance for each branch.

Prepared by or under the supervision of: Cheryl A. Warren